

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002709**Date Inspected:** 08-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

An inspection was requested on the OBG Segment, 10 AE, Pre weld seam entire internal surface and connection weld seam internal ceiling part between 10BW & 10CW, vide inspection request no. 4529 at OBG assembly yard.. This QA inspector observed, ABF Inspectors Mr. Stone, Mr. Turtle and Mr. Vince inspecting these surfaces for surface profile as per SSPC SP 10. This QA inspector observed, surface profile measured by ZPMC QC inspectors found to be in the range of 80 to 84 microns which is acceptable as per contract Documents. International protective coatings technical service representative Mr. Yang was found present during the course of this inspection process.

An inspection was requested on the OBG Internal diaphragm, 5 sets (LD 3026-001, LD 3027-001, LD3028-001, FB 3189-001, FB 3193-001) for Washing and Degreasing, vide inspection request no. 4531 at West Gate of Blasting workshop. This QA inspector observed, ABF inspector Mr. Stone inspecting all the surfaces. This was found accepted by ABF Inspector after minor removal of oil in few hole areas. International protective coatings technical service representative Mr. Yang was found present during the course of this inspection process.

An inspection was requested on the OBG Crash Barrier cover plates- 226 nos, external surface for MEK test and Salt test for the application of Mist coat, vide request no. 4530 at Paint shop 2. This QA inspector observed, ABF

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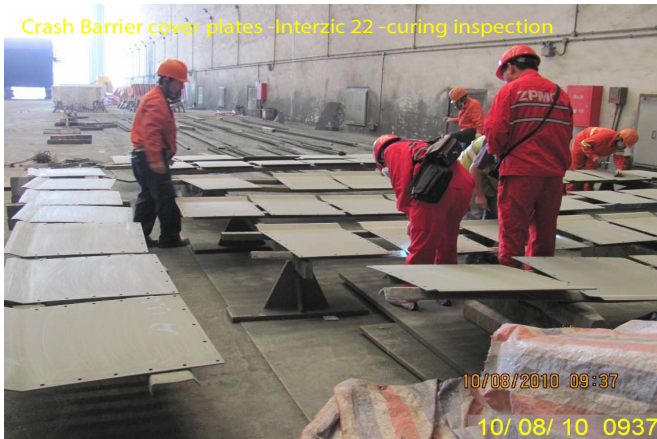
inspector Mr. Turtle and Mr. Vince performing the required inspections. The MEK test found to be carried out in 3 places and the result observed as Grade 5 in 2 places and Grade 4 in 1 place. The Result of Residual chloride test carried out in 1 place found to be 13.2 us/cm. The result of Salt test and MEK tests found to be acceptable as per contract documents. International protective coatings technical service representative Mr. Yang, was found present during the course of this inspection process.

An inspection was requested on the OBG Crash Barrier external surface -12 nos for Surface preparation inspection after Mist coat, vide request no. 4532 at Paint shop 2. This QA inspector observed, ABF inspectors Mr. Sun, and Mr. Helen performing the said inspection. These plates found accepted by ABF Inspectors after minor touch ups in edges International protective coatings technical service representative Mr. Yang, was found present during the course of this inspection process.

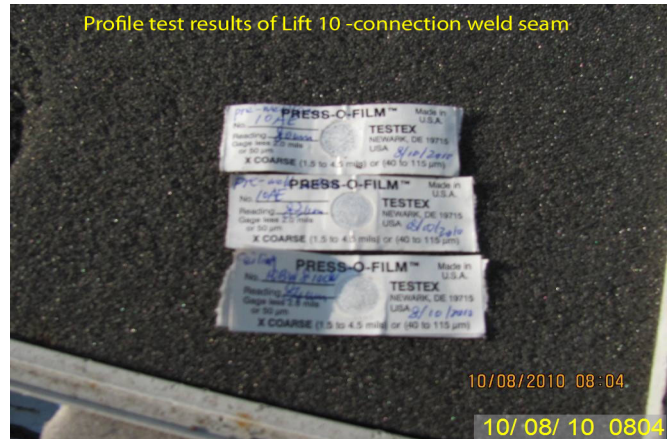
Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

For Details, see the pictures below.

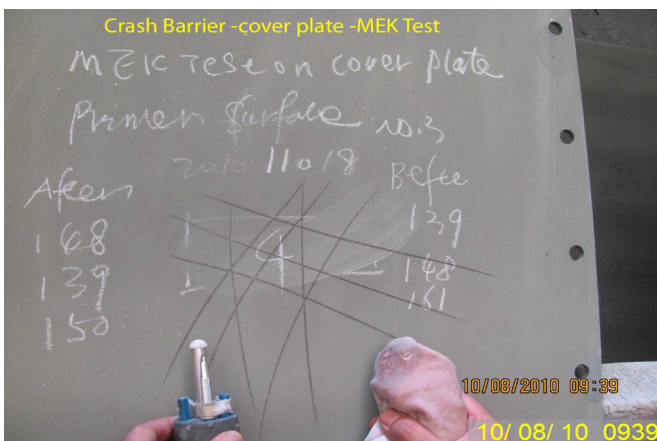
Crash Barrier cover plates -Interzic 22 -curing inspection



Profile test results of Lift 10 -connection weld seam



Crash Barrier -cover plate -MEK Test



## Summary of Conversations:

No Relevant Conversation

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michel Ng (13611871836), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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